

PATENT ABSTRACTS OF JAPAN

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(54) RADIO CONNECTION DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a radio connection device which sets up a NAV(Network Allocation Vector) artificially in order not to be a hidden terminal, when a NAV for decreasing CSMA/CA(Carrier Sense Multiple Access with Collision Avoidance) efficiency reduction caused by a hidden terminal cannot be analyzed due to frame transmission by an option rate.

SOLUTION: When a frame transmitted with an unpackaged rate is received, a frame reception period is calculated based on a frame reception start time and the rate/length information stored at transmission section with a mandatory rate in a reception frame required period calculation unit (102). A trial for transmission right acquirement is prohibited until the period (frame reception period + ACK (Acknowledgement) response required period obtained at an ACK response required period table (104)) from the frame reception start time.

